OPERATOR'S MANUAL

Tape Search W/AUX (DIP Relays)

19387

Rev: 1/91

datum inc
TIMING DIVISION

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INTRODUCTION

This assembly is used to provide the electrical interface between the PTS and a tape recorder/reproducer. The interface consists of relay contacts which may be interconnected by the user to control a variety of recorder/reproducers.

INSTALLATION

This assembly may be plugged into any available double-wide option position. Remove power from the PTS. If necessary, remove a card guide to create a double-wide position by removing the screw which holds it from inside the unit. Plug this assembly into the PTS, being careful that components are on the top side. Interconnect to the recorder/reproducer. Apply power.

OPERATION

Operation and set-up for transport parameters are described in the basic part of this manual. See menu 8 (M-8) and referenced text. The stop relay is configured to output a stop closure when power fails and at power up. This is a continuous closure even if momentary has been selected. It may be overcome by entering the MAN-S or AUTO-S menu and issuing a stop command.

SPECIFICATIONS

Momentary closures are about 250 milliseconds. To provide overlap with forward and reverse, RECORD is about 330 milliseconds. When FAST and a direction are output, the FIRST is about 250 milliseconds and the last is about 330 milliseconds, starting at the same time. FAST 2 is a continuous closure. Specifications for the relay contacts are as follows:

VOLTAGE **100 VDC (All)**

Function	Contact Arrangement	Contact Current
FWD	2A	.5A
REV	2A	.5A
STOP	1C	.25A
REC	1C	.25A
FAST	1C	.25A
FAST 2	1C	.25A
ALL SPEEDS	1A	.5A
(SPEED CONTROL IS PROVIDED BY THE-1 ASS'Y)		
EARLY	1C	.25A
INTERVAL	1C	.25A

Start pulse, stop pulse, and interval DC are TTL/CMOS compatible, 4mA sink. Pulses are 5±2 microseconds wide.

MAINTENANCE

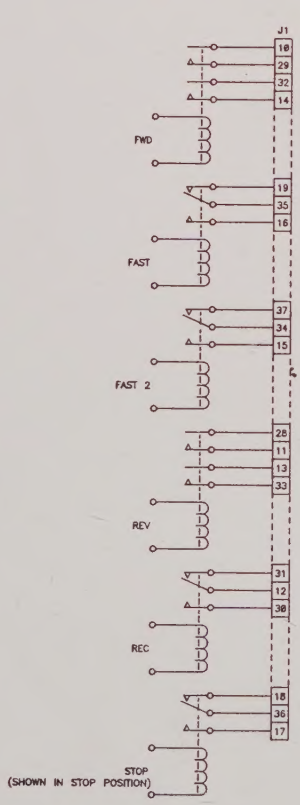
No routine maintenance is required.

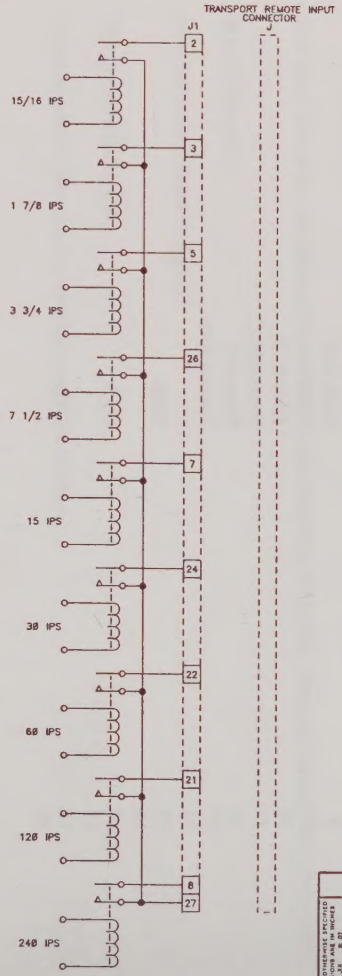
INTERCONNECTION

Connector pinout information is provided on following pages.

J2 AUXILIARY OUTPUTS
20 PIN FLAT CABLE TYPE

Pin Number	Function
1	Stop Pulse-Negative
2	Stop Pulse-Positive
3	GND
4	Start Pulse-Positive
5	Start Pulse-Negative
6	Interval DC
7	GND
8	Early N-C
9	Early C
10	Early N-O
11	Interval N-C
12	Interval C
13	Interval N-O
14	
15	GND
16	
17	GND
18	
19	GND
20	





INCLUDED ON -1 ASSY.

7. DASH NO. INDICATES CABLE LENGTH (FT.)
6. J1 IS 37 PIN D FEMALE.
5. FAST 2 IS CONTINUOUS.
4. FAST IS MOMENTARY/CONTINUOUS UNDER MENU CONTROL.
3. SHOWN DE-ENERGIZED. (STOPPED)
2. TAPE TRANSPORT MANUFACTURER _____
MODEL NO. _____
1. TRANSPORT CONTROL ASSY. NO. 19386, 19387
(SEE MODEL 9700 MANUAL)

NOTES: UNLESS OTHERWISE SPECIFIED

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. .X ± .03 .XX ± .010 ANGLES ± 1/2°

TITLE
INTERCONNECT
TAPE SEARCH (DIP RELAYS)
TO TAPE TRANSPORT

DWN		DES	
CHK		ENGR	
SCALE		FSC 31160	

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